

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently amended) A computer system comprising a first network, a
2 first computer connected to the first network, a second network connected to the first network,
3 and a second computer and a third computer connected to the second network, the first computer
4 comprising:
5 a communication interface for connecting the first computer to the first network;
6 a disk storage device for storing data;
7 a disk interface for communicating data with the disk storage device;
8 a CPU for controlling the first computer; and
9 a memory for storing data and ~~a first program and a second program~~program code
10 for operating the CPU,
11 wherein the ~~first program~~ code includes:
12 a module for recording situations of access to a file stored in the disk
13 storage device from the third computer, the module being executed by the CPU at
14 predetermined intervals, and
15 wherein the ~~second program~~ code is executed depending on the access situation,
16 the ~~second program~~ code further including:
17 a module for searching the second network connected to the third
18 computer;
19 a module for searching a candidate for migration for the second network;
20 a module for designating the file as the candidate for migration to the
21 second computer;
22 a module for transmitting a migrator acceptor search packet to the second
23 computer for inquiring whether or not the second computer can accept the file;

24 a module for receiving a reply packet from the second computer as a
25 response to the migrator acceptor search packet; [[and]]
26 a module for transferring the file to the second computer;
27 a module for storing information indicative of whether the file has been
28 transferred to the second computer or the file exists in the first computer;
29 a module for storing a path name for the second computer when the file
30 has been transferred to the second computer; and
31 a module for receiving and storing the file in the first computer, when the
32 file is returned from the second computer.

1 2. (Currently amended) The computer system according to claim 1, wherein:
2 the memory stores a path of the file accessed by the third computer associating the
3 path with information on the access situations of the third computer, and
4 the program code further includes a module for designating the file corresponding
5 to the access situation information as the candidate for migration when the information satisfies a
6 predetermined condition.

1 3. (Currently amended) The computer system according to claim 2, wherein
2 the program code further includes a module for transmitting an advertisement packet, indicating
3 the file has been transferred to the second computer, to the second network.

1 4. (Currently amended) The computer system according to claim 3, wherein:
2 the third computer comprises a memory for storing data and [[a]] program code,
3 and
4 the program code in the memory of the third computer includes a module for
5 receiving the advertisement packet and a module for making access to the second computer for
6 the file according to the advertisement packet.

1 5. (Previously presented) The computer system according to claim 1,
2 wherein:
3 the first network is further connected to a third network, and
4 the program code further includes a module for transmitting the migrator acceptor
5 search packet to the third network when no computer suitable for accepting the file is found in
6 the second network.

6-8. (Canceled)

1 9. (Currently amended) A first computer which is connected to a first
2 network capable of communicating with a second network including a second computer and a
3 third computer and which has a file accessed by the third computer, comprising:

4 a communication interface for connecting the first computer to the first network;
5 a CPU for controlling the first computer;
6 a disk storage device for storing data;
7 a disk interface for communicating data with the disk storage device; and
8 a memory for storing data and ~~a first program and a second program~~ code for
9 operating the CPU,

10 wherein the ~~first program~~ code includes:

11 a module for recording situations of access to a file stored in the disk
12 storage device from the third computer, and

13 wherein the ~~second program~~ code is executed depending on the access situation,
14 the ~~second program~~ code further including:

15 a module for searching the second network connected to the third
16 computer;

17 a module for searching a candidate for migration for the second network;

18 a module for designating the file as the candidate for migration to the
19 second computer;

20 a module for transmitting a migrator acceptor search packet to the second
21 computer for inquiring whether or not the second computer can accept the file;
22 a module for receiving a reply packet from the second computer as a
23 response to the migration admittance packet; [[and]]
24 a module for transferring the file to the second computer
25 a module for storing information indicative of whether the file has been
26 transferred to the second computer or the file exists in the first computer;
27 a module for storing a path name for the second computer when the file
28 has been transferred to the second computer; and
29 a module for receiving and storing the file in the first computer, when the
30 file is returned from the second computer.

10. (Canceled)

1 11. (Original) A program stored in a memory of a second computer which is
2 connected to a second network capable of communicating with a first network and which makes
3 access to a file of a first computer connected to the first network, comprising:
4 a module for making access to the file via an interface of the second computer to
5 the second network using a path name after reception of the path name to a third computer as a
6 destination of the file transferred from the first computer.

1 12. (Currently amended) A program stored in a memory of a first computer
2 which is connected to a first network capable of communicating with a second network including
3 a second computer and a third computer and which has a file accessed by the third computer,
4 comprising:
5 a first subroutine and a second subroutine,
6 wherein the first subroutine includes a module for recording situations of access
7 to the file of the first computer from the third computer, and

8 wherein the second subroutine is executed depending on the access situation, the
9 second subroutine including:

10 a module for searching the second network connected to the third
11 computer;
12 a module for searching a candidate for migration for the second network;
13 a module for designating the file as the candidate for migration to the
14 second computer;
15 a module for transmitting a migrator acceptor search packet to the second
16 computer for inquiring whether or not the second computer can accept the file;
17 a module for receiving a migration admittance packet from the second
18 computer as a response to the migration admittance packet; [[and]]
19 a module for transferring the file to the second computer;
20 a module for storing information indicative of whether the file has been
21 transferred to the second computer or the file exists in the first computer;
22 a module for storing a path name for the second computer when the file
23 has been transferred to the second computer; and
24 a module for receiving and storing the file in the first computer, when the
25 file is returned from the second computer.

13. (Canceled)

1 14. (Currently amended) The computer system according to claim 1, ~~further~~
2 ~~comprising~~ wherein the program code further includes a module for transferring a directory
3 belonging to the file to the second computer.

1 15. (New) The computer system according to claim 1, wherein the program
2 code further includes a module for transmitting the path name when the first computer receives
3 an access request for the file.

1 16. (New) The computer system according to claim 1, wherein the file is
2 stored into the second computer when the files is transferred from the first computer to the
3 second computer.

1 17. (New) The computer system according to claim 1, wherein the file is
2 returned from the second computer to the first computer depending on another access situation.

1 18. (New) The computer system according to claim 17, wherein the program
2 code further includes a module for deleting the path name when the file is returned from the
3 second computer to the first computer.

1 19. (New) The computer system according to claim 1, wherein the module for
2 transferring the file to the second computer is performed if the response indicates that the second
3 computer accepts the file and the second computer has a capacity for storing the file.